

APPENDIX A

BENCHMARK CHARACTERISTIC ANALYSIS
OF DATA FROM FIXED STATIONS IN THE
FLATROCK- HAW CREEK WATERSHED
1991 TO 1997

Station: EW-239

	Valid N	Mean	Confid.	Confid.	Median	Sum	Minimum	Maximum	Lower Quantile	Upper Quantile	Range	Quantile Range	Variance	Std Dev.	Standard Error	Skewness	Std.Err.	Kurtosis	Std.Err.
Alkalinity (mg/l)	82	231.5976	222.8742	240.321	242.5	18991	92	300	215	260	208	45	1576.219	39.70162	4.384311	-1.34876	0.265724	2.089467	0.525618
Ammonia (mg/l as N)	82	0.062805	0.053223	0.072387	0.05	5.15	0.05	0.3	0.05	0.05	0.25	0	0.001802	0.043611	0.004816	4.50597	0.265724	21.51821	0.525618
BOD (mg/l)	41	1.192683	0.859584	1.525782	1	48.9	0.5	6.2	0.5	1.6	5.7	1.1	1.113695	1.055318	0.164813	2.948757	0.3695	12.05526	0.724483
COD (mg/l)	82	11.29878	9.548237	13.04932	9.1	926.5	2.5	56.9	7	13.9	54.4	6.9	63.47321	7.967007	0.879809	3.064454	0.265724	14.19537	0.525618
Cyanide (mg/l)	81	0.005099	0.004985	0.005213	0.005	0.413	0.005	0.008	0.005	0.005	0.003	0	2.65E-07	0.000515	5.72E-05	5.223526	0.267302	26.55153	0.528675
Nitrate (mg/l as N)	82	3.112195	2.874079	3.350311	3	255.2	1.2	5.5	2.2	3.8	4.3	1.6	1.174417	1.083705	0.119675	0.380762	0.265724	-0.76055	0.525618
Total Phosphorus (mg/l as P)	82	0.050854	0.075624	0.106083	0.08	7.45	0.015	0.51	0.05	0.1	0.495	0.05	0.004804	0.069312	0.007654	3.247081	0.265724	16.17235	0.525618
Total Solids (mg/l)	82	416.1463	408.6387	423.654	412	34124	349	579	394	439	230	45	1167.484	34.16847	3.773277	1.356607	0.265724	53.66797	0.525618
Suspended Solids (mg/l)	82	31.2439	19.93747	42.55034	16	2562	2	392	8	29	390	21	2647.866	51.45742	5.682521	4.788321	0.265724	30.07486	0.525618
Dissolved Solids (mg/l)	21	366.619	347.1489	386.0892	379	7699	275	429	339	398	154	59	1829.548	42.77321	9.333388	-0.68854	0.501195	-0.38866	0.971941
Sulfate (mg/l)	21	38.14286	34.01767	42.26805	40	801	22	54	30	42	32	12	82.12857	9.062482	1.977596	-0.02042	0.501195	-0.42602	0.971941
TKN (mg/l as N)	20	0.465	0.342321	0.587679	0.4	9.3	0.2	1.1	0.3	0.55	0.9	0.25	0.068711	0.262127	0.058613	1.321277	0.512103	0.877429	0.992384
E. coli (CFU/100ml)	78	434.1026	255.234	612.9711	105	33860	5	5000	30	420	4995	390	629374.5	793.3313	89.82708	3.327131	0.272211	14.33398	0.538176
TOC (mg/l)	21	2.157143	1.842574	2.471712	1.8	45.3	1.2	4.1	1.7	2.4	2.9	0.7	0.477571	0.691065	0.150803	1.35376	0.501195	1.842188	0.971941
Hardness (mg/l)	82	288.4756	276.9665	299.9847	305.5	23655	124	361	268	322	237	54	2743.66	52.37996	5.784399	-1.276	0.265724	1.161335	0.525618
Chloride (mg/l)	21	28	24.73019	31.26981	28	598	17	41	22	32	24	10	51.6	7.183314	1.567528	0.322938	0.501195	-0.7054	0.971941
Dissolved Oxygen (mg/l)	64	9.925	9.510322	10.39968	9.85	635.2	7	13.6	8.42	10.995	6.6	2.575	2.755895	1.660089	0.207511	0.333303	0.299327	-0.54095	0.590491
pH	65	8.003846	7.904725	8.102968	8.04	520.25	6.9	10.04	7.83	8.18	3.14	0.35	0.160021	0.400026	0.049617	1.431028	0.297116	10.49962	0.586236
Copper (ug/l)	24	2.608333	2.005875	3.210792	2	62.6	2	6.9	2	2	4.9	0	2.03558	1.425737	0.291232	2.146878	0.472261	3.361861	0.917777
Iron (ug/l)	23	792.4783	402.5461	1182.41	430	18227	69	3400	220	1000	3331	780	813095.6	901.7182	188.0212	1.717166	0.481337	2.237574	0.934764
Zinc (ug/l)	24	6.53125	4.89265	8.16985	5.95	156.75	2.25	17	2.25	8.6	14.75	6.35	15.05844	3.88052	0.792108	0.928271	0.472261	1.024238	0.917777

APPENDIX B

FLATROCK- HAW CREEK
WATERS ASSESSED IN THE
CLEAN WATER ACT SECTION 305(B) REPORT

FLATROCK-HAW WATERSHED ASSESSMENTS
SECTION 305(B) 2000

Waterbody ID	Hydrologic Unit	Segment name	Size (mi.)	YEAR 303D	Aquatic Life Support	Drinking Water Supply	Fish Consumption	Primary Contact (Recr)	Biotic comm. status	Copper	Cyanide	Lead	Mercury	Organic enrichment/ Low DO	Pathogens	PCBs	Pesticides	Priority organics	Salinity/TDS/chlorides	Unionized ammonia	Assess date yyyy mmdd
INW051_00		Flatrock River - Headwaters to Shankatank Cr	75.98		F		X	X													
INW051_T1001		Flatrock River - Rush Co. line to Shankatank Cr	10.81	1998	F		P	X					S								19980401
INW052_00		Flatrock River - tributaries	47.49		F		X	X													
INW052_T1002		Flatrock River - Mainstem	27.91	1998	F		P	X					S								19980401
INW053_00		Little Flatrock River basin	48.04		F		X	X													
INW054_00		Flatrock River - below Greensburg water intake	69.81	1998	F		X	X													
INW054_T1003		Flatrock River - below Greensburg water intake	6.78	1998	F		P	X					M			M					19980401
INW054_T1007	05120205040010	Flatrock River - above Greensburg water intake	2.10	1998	F	X	P	X					M			M					19980401
INW055_00		Tributaries	85.61		F		X	X													
INW055_T1004		Flatrock River - mainstem above Sidney Br	18.72	1998	F		P	N					M		S	M					19980401
INW055_T1005		Flatrock River mainstem - Sidney Br to White R	14.57	1998	F		X	N							S						19980401
INW056_00		Haw Creek watershed	48.08		F		X	F													
INW056_T1006	05120205060010	White River, EF - Columbus	1.94	1998	F		P	F								M					19980401

Uses: F-Full support,P-Partial support,N-nonsupport,X-Not assessed,A-Not Attainable

Cause/ Stressormagnitude: S-slight,M-moderate,H=high,T-Not impaired;more information needed.

*Biological community response;stressor not identified.

APPENDIX C

Potential Stakeholders in the Flatrock- Haw Creek Watershed

Potential Stakeholders in the Flatrock- Haw Creek Watershed

Bartholomew County Comm
440 3rd St # 101
Columbus, IN 47201
812/ 379-1515

Columbus Engineer
123 Washington St
Columbus, IN 47201
812/ 376-2540

Bartholomew County Engineer
2452 State St
Columbus, IN 47201
812/ 379-1662

Columbus Mayor's Office
123 Washington St
Columbus, IN 47201
812/ 376-2500

Bartholomew County Extension
1971 State St
Columbus, IN 47201
812/ 379-1665

Columbus Utilities Dept
1111 McClure Rd
Columbus, IN 47201
812/ 372-8861

Bartholomew County Health
1971 State St
Columbus, IN 47201
812/ 379-1555

Bartholomew County SWCD
2314 State Street
Columbus, IN 47201-7346
812/ 378-1280

Bartholomew County Planning
123 Washington St # 8
Columbus, IN 47201
812/ 376-2550

Fayette County Cooperative Svc
111 W 4th St
Connersville, IN 47331
765/ 825-8502

Bartholomew Environmental Hlth
440 3rd St # 303
Columbus, IN 47201
812/ 379-1550

Fayette County Health Dept
111 W 4th St # 109
Connersville, IN 47331
765/ 825-4013

Bartholomew Surveyor Office
440 3rd St # 400
Columbus, IN 47201
812/ 379-1525

Fayette County Surveyor
111 W 4th St
Connersville, IN 47331
765/ 825-7466

City Planning Dept
123 Washington St # 8
Columbus, IN 47201
812/ 376-2550

Fayette Planning Commission
111 W 4th St
Connersville, IN 47331
765/ 825-9808

Columbus Community Development
123 Washington St # 9
Columbus, IN 47201
812/ 376-2520

Fayette County SWCD
2590 North Park Road
Connersville, IN 47331-3040
765-825-2331

Geneva City Water Trtmnt
5th St
Geneva, IN 46740
219/ 368-9146

Decatur County Area Plan Comm
150 Courthouse Sq # 117
Greensburg, IN 47240
812/ 663-8451

Decatur County Board Of Health
801 N Lincoln St
Greensburg, IN 47240
812/ 663-8301

Decatur County Extension Svc
545 S County Road 200 W
Greensburg, IN 47240
812/ 663-8388

Decatur County SWCD
108 Smith Road
Greensburg, IN 47240-8217
812-663-8674

Henry County Farm Svc Agen
146 E County Road 200 N # B
New Castle, IN 47362
765/ 529-2303

Big Blue River Conservancy
1224 1/2 Broad St
New Castle, IN 47362
765/ 529-7254

Building Comm Office
227 N Main St
New Castle, IN 47362
765/ 521-6823

Henry County Co-Op Ext Agents
206 S 12th St
New Castle, IN 47362
765/ 529-5002

Henry County Commissioners
101 S Main St
New Castle, IN 47362
765/ 529-4705

Henry County Surveyor
111 S 12th St
New Castle, IN 47362
765/ 529-4802

Henry Planning Commission
107 1/2 S 12th St
New Castle, IN 47362
765/ 529-7408

New Castle Mayor
227 N Main St
New Castle, IN 47362
765/ 529-7605

New Castle Sewage Treatment
10 Midway Dr
New Castle, IN 47362
765/ 521-6836

Prairie Township Trustee
5492 N County Road 100E
New Castle, IN 47362
765/ 836-4249

Henry County SWCD
146 East Co. Rd 200 North Suite C
New Castle, IN 47362
765/-529-2303

IDNR Div. of Soil
146 East Co. Rd 200 North Suite C
New Castle, IN 47362
765/-529-2303

USDA Natural Resources Conservation
Service
146 East Co. Rd 200 North Suite C
New Castle, IN 47362
765/-529-2303

Rush County Area Planning
101 E 2nd St # 211
Rushville, IN 46173
765/ 932-3090

Rush County Co-Op Extension
Courthouse # 103
Rushville, IN 46173
765/ 932-5974

Rush County Commissioner's Ofc
102 N Main St
Rushville, IN 46173
765/ 932-3791

Rush County Health Office
Ct House Room 5
Rushville, IN 46173
765/ 932-3103

Rush County Sanitarian's Ofc
106 N Main St # 5
Rushville, IN 46173
765/ 932-2216

Rush County Surveyor's Office
102 N Main St
Rushville, IN 46173
765/ 932-3184

US Army Corps Of Engineers
115 N Julian St
Rushville, IN 46173
765/ 938-4169

US Consolidated Farm Svc Agcy
144 E US Highway 52
Rushville, IN 46173
765/ 932-2813

Rush County SWCD
146 East U.S. Hwy 52
Rushville, IN 46173-9801
765/ 932-2813

Shelby Cooperative Extension
1110 Amos Rd # D
Shelbyville, IN 46176
317/ 392-6460

Shelby County Commissioner
25 W Polk St # 206
Shelbyville, IN 46176
317/ 392-6330

Shelby County Health Dept
1600 E State Road 44 # B
Shelbyville, IN 46176
317/ 392-6470

Shelby County Plan Commission
1600 E State Road 44 # A
Shelbyville, IN 46176
317/ 392-6338

Shelby County Surveyor
1600 E State Road 44 # A
Shelbyville, IN 46176
317/ 392-6481

Shelbyville Animal Shelter
705 Hale Rd
Shelbyville, IN 46176
317/ 392-5127

Shelbyville City Engineer
44 W Washington St
Shelbyville, IN 46176
317/ 398-6624

Shelbyville City Planning Comm
44 W Washington St
Shelbyville, IN 46176
317/ 392-5102

Shelbyville Mayor's Office
44 W Washington St
Shelbyville, IN 46176
317/ 398-6624

Shelbyville Sanitation Dept
44 W Washington St
Shelbyville, IN 46176
317/ 398-6624

Shelbyville Sewage Dept
44 W Washington St
Shelbyville, IN 46176
317/ 392-5104

Shelbyville Wastewater Trtmnt
775 W Boggstown Rd
Shelbyville, IN 46176
317/ 392-5131

Shelby County SWCD
1110 Amos Road, Suite C
Shelbyville, IN 46176-2806
317/ 392-1394

STATE STAKEHOLDERS

Indiana Farm Bureau Inc.
225 S East St
Indianapolis, IN 46202
(317) 692-7851

Indiana Department of Environmental
Management
100 N. Senate Ave
P.O. Box 6015
Indianapolis, IN 46206-6015

IDEM Switchboard
(317) 232-8603 or (800) 451-6027

Agricultural Liaison
(317) 232-8587

Air Management
(317) 233-0178

Community Relations
(317) 233-6648

Compliance and
Technical Assistance
(317) 232-8172

Criminal
Investigations
(317) 232-8128

Enforcement
(317) 233-5529

Environmental
Response
(317) 308-3017

Legal Counsel
(317) 232-8493

Media and
Communication
Services
(317) 232-8560

Pollution Prevention

and Technical
Assistance
(317) 232-8172

Solid and Hazardous
Waste Management
(317) 233-3656

Water Management
(317) 232-8670

Indiana Department of Natural Resources
402 West Washington Street
Indianapolis, IN 46204-2748

IDNR, Division of Soil Conservation, Field
Representatives are generally located with
the SWCD office in each county.
Division of Engineering
(317) 232-4150

Division of Entomology
and Plant Pathology
(317) 232-4120

Division of Fish & Wildlife
(317) 232-4080

Division of Forestry
(317)-232-4105

Division of Historic
Preservation & Archaeology
(317) 232-1646

Division of Law Enforcement
(317) 232-4010

Division of State
Parks and Reservoirs
(317)-232-4124

Division of Water
(317)-232-4160

Division of Public
Information and Education
(317) 232-4200

Division of Reclamation
(317)-232-1547

(317) 233-1325

Division of Safety and Training
(317) 232-4145

FEDERAL STAKEHOLDERS

Division of Soil Conservation
(317)-233-3870

Natural Resources
Conservation Service
6013 Lakeside Blvd
Indianapolis, In 46278
(317) 290-3200

Division of Oil and Gas
(317) 232-4055

*NRCS Field Representatives are generally
located with the SWCD office in each
county.*

Division of Outdoor Recreation
(317)-232-4070

Division of Nature Preserves
(317)-232-4052

U.S. EPA Region 5
77 West Jackson Blvd
Chicago, IL 60604
(312) 353-2000
(800) 632-8431

Indiana State Department of Health
2 North Meridian St.
Indianapolis, IN 46204

APPENDIX D

FUNDING SOURCES

FUNDING SOURCES

This listing of funding sources was derived from the November 1998 *Watershed Action Guide for Indiana*, which is available from the Watershed Management Section of IDEM.

FEDERAL CONSERVATION AND WATERSHED PROGRAMS

Environmental Protection Agency

Section 319, 604(b), and 104(b)3 Grants

Grants for conservation practices, water body assessment, watershed planning, and watershed projects. Available to non-profit or governmental entities. These monies, enabled by the Clean Water Act, are funneled through the Indiana Department of Environmental Management. *For details see IDEM below.*

U.S. Department of Agriculture (See county listings for local federal agency contacts.)

EQIP: Environmental Quality Incentive Program. Administered by the Natural Resources Conservation Service. Conservation cost-share program for implementing Best Management Practices, available to agricultural producers who agree to implement a whole-farm plan that addresses major resource concerns. Up to \$50,000 over a 5- to 10-year period. Some parts of the state are designated Conservation Priority Areas and receive a larger funding allotments.

WRP: Wetland Reserve Program. Administered by the Natural Resources Conservation Service. Easement and restoration program to restore agricultural production land to wetland. Easements may be for 10 years, 30 years, or permanent. Longer easements are preferred. Partnerships with other acquisition programs are encouraged. Restoration and legal costs are paid by NRCS. Landowner retains ownership of the property and may use the land in ways that do not interfere with wetland function and habitat, such as hunting, recreational development, and timber harvesting.

CRP: Conservation Reserve Program. Administered by the Farm Service Agency with technical assistance from NRCS. Conservation easements in certain critical areas on private property. Agricultural producers are eligible. Easements are for 10 or 15 years, depending on vegetative cover, and compensation payments are made yearly to replace income lost through not farming the land. Cost share is available for planting vegetative cover on restored areas.

WHIP: Wildlife Habitat Incentive Program. Administered by the Natural Resources Conservation Service. Cost share to restore habitat on previously farmed land. Private landowners who are agricultural producers are eligible. Cost share up to 75%, and contracts are for 10 years.

FIP: Forestry Incentive Program. Administered by the Natural Resources Conservation Service. Cost-share to assist forest management on private lands. Funds may be limited.

U.S. Fish & Wildlife Service

Partners for Wildlife : assistance for habitat restoration.

STATE CONSERVATION AND WATERSHED PROGRAMS

IDNR Division of Soil Conservation

LARE: Lake & River Enhancement Program. Funds diagnostic and feasibility studies in selected watersheds and cost-share programs through local Soil & Water Conservation Districts. Project oversight provided through county-based Resource Specialists and Lake & River Enhancement Watershed Coordinators. Funding requests for Watershed Land Treatment projects must come from Soil & Water Conservation Districts. If a proposed project area includes more than one district, the affected SWCDs should work together to develop an implementation plan. The SWCDs should then apply for the funding necessary to administer the watershed project. Before applying for funding, the SWCDs should contact the Lake & River Enhancement Coordinators to determine (1) the appropriate watershed to include in the project, (2) if the proposed project meets the eligibility criteria, and (3) if funding is available.

IDNR Division of Fish & Wildlife

Classified Wildlife Habitat Program: Incentive program to foster private wildlife habitat management through tax reduction and technical assistance. Landowners need 15 or more acres of habitat to be eligible. IDNR provides management plans and assistance through District Wildlife Managers. See county listings.

Wildlife Habitat Cost-share Program: Similar to above.

IDNR Division of Forestry

Classified Forest Program: Incentive program to foster private forest management through tax reduction and technical assistance. Landowners need 10 or more acres of woods to be eligible. IDNR provides management plans and assistance through District Foresters. (See county listings.)

Classified Windbreak Act: Establishment of windbreaks at least 450 feet long adjacent to tillable land. Provides tax incentive, technical assistance through IDNR District Foresters.

Forest Stewardship Program & Stewardship Incentives Program: Cost share and technical assistance to encourage responsibly managed and productive private forests.

IDNR Division of Reclamation

Appalachian Clean Streams Initiative: Funds for acid mine drainage abatement.

IDNR Division of Nature Preserves

State Nature Preserve Dedication: Acquisition and management of threatened habitat.

IDEM Office of Water Management

State Revolving Fund: Available to municipalities and counties for facilities development. Will be available in 1999 for nonpoint source projects as well. Funding is through very low-interest loans.

Section 319 Grants: Available to nonprofit groups, municipalities, counties, and institutions for implementing water quality improvement projects that address nonpoint source pollution concerns. Twenty-five percent match is required, which may be cash or in-kind. Maximum grant amount is \$112,500. Projects are allowed two years for completion. Projects may be for land treatment through implementing Best Management Practices, for education, and for developing tools and applications for state-wide use.

Section 205(j) Grants, formerly called 604(b) Grants: Available to municipalities, counties, conservation districts, drainage districts. These are for water quality management projects such as studies of nonpoint pollution impacts, nonagricultural NPS mapping, and watershed management projects targeted to Northwest Indiana (including BMPs, wetland restoration, etc.)

Section 104(b)(3) Grants: These are watershed project grants for innovative demonstration projects to promote statewide watershed approaches for permitted discharges, development of storm water management plans by small municipalities, projects involving a watershed approach to municipal separate sewer systems, and projects that directly promote community based environmental protection. NOTE: the application time frame for IDEM grant programs is annually, by March 31st.

PRIVATE FUNDING SOURCES

National Fish and Wildlife Foundation

1120 Connecticut Avenue, NW Suite 900, Washington DC 20036. Nonprofit, established by Congress 1984, awards challenge grants for natural resource conservation. Federally appropriated funds are used to match private sector funds. Six program areas include wetland conservation, conservation education, fisheries, migratory bird conservation, conservation policy, and wildlife habitat.

Individual Utilities

Check local utilities such as IPALCO, CINergy, REMC, NIPSCO. Many have grants for educational and environmental purposes.

Indiana Hardwood Lumbermen's Association

Indiana Tree Farm Program

The Nature Conservancy

Land acquisition and restoration.

Southern Lake Michigan Conservation Initiative

Blue River Focus Area

Fish Creek Focus Area

Natural Areas Registry

Hoosier Landscapes Capitol Campaign

Conservation Technology Information Center (CTIC)

'Know Your Watershed' educational materials are available

Indiana Heritage Trust

Land acquisition programs

Ducks Unlimited

Land acquisition and habitat restoration assistance

Quail Unlimited

Pheasants Forever

Sycamore Land Trust

Acres Inc.

Land trust

Oxbow, Inc.

Land trust

SOURCES OF ADDITIONAL FUNDING OPPORTUNITIES

Catalog of Federal Funding Sources for Watershed Protection

EPA Office of Water (EPA841-B-97-008) September 1997

GrantsWeb: <http://www.srainternational.org/cws/sra/resource.htm>

APPENDIX E

FLATROCK RIVER WATERSHED MANAGEMENT PLAN

December 1, 1997

Prepared by: Bec Wicker, Flatrock River Watershed Coordinator
Rush, Fayette & Henry County SWCD's
Flatrock River Steering & Flood Control Committees
Flatrock River Watershed Committee

CONTENTS

Flatrock River Watershed Plan

December 1, 1997

Introduction

The purpose of the Flatrock Watershed Coalition is to ensure the highest water quality possible, both stream and underground, for living in the Flatrock River Watershed. The goals of the coalition are to emphasize adult and youth education and to provide an avenue for voicing concerns and assessing needs in the watershed. The coalition is a decision making body of concerned citizens living in or affected by the watershed. At present, the group is a subcommittee of the Flatrock River Project steering committee. The Flatrock River Project has been instrumental in working to reduce flooding and to provide better drainage along a 23 mile section of the river in Rush County. The group consists of representatives from extension, Natural Resources Conservation Service, local government, small business, and watershed coordinator. The group meets as needed to work on specific projects concerning the watershed. The watershed plan was developed to provide continuity of the Flatrock River Project in Rush County and to transfer knowledge gained to other watershed counties and other watersheds in Rush County. The coalition developed a public survey that was distributed at local 4-H fairs, at the land Expo sponsored by Land Improvement Contractor's Association, and through the watershed newsletter. Public meetings were held and surveys were also distributed through the local newspaper prior to the beginning of the Flatrock River Project. The watershed area is clearly defined as covering areas of Henry, Fayette, Rush, Shelby, Decatur, and Bartholomew counties. (see Appendix A)

Objectives

The Flatrock River Coalition developed goals and objectives based on needs expressed in Rush County and upper watershed counties (Henry and Fayette counties). These goals are to emphasize adult and youth education, to provide an 800 number for voicing concerns, to recommend funding resources, to conduct a needs assessment, and to maintain streambank stabilization programs.

Inventory Resources

Data concerning the conditions of the Flatrock River and its watershed were compiled by the Flatrock River Project steering committee, state and federal agencies, local councils and boards, and local governments. Initial information was primarily concerned with flooding along the river in both county and city. Information on the quality of the water in the Flatrock River is continually being compiled by volunteer monitors using chemical, physical, and biological tests. This data is observed for changes or trends in the river water at various points in the county.

Analyze

Priorities of the watershed have been established as streambank erosion control, wildlife habitat, good water quality, recreational opportunities, flood reduction, and better drainage. Evolvment of events over the past five years with the Flatrock River project has emphasized the need for maintenance of streambank stabilization projects and for long range

planning of the watershed use by the public. This also includes public accessibility to the river and establishing landowner rights and responsibilities.

Make Decisions

All Flatrock River project committee members and watershed coordinator have participated in Coordinator Resource Management (CRM) training sessions. CRM has been implemented in the Rush County project process and will continue to be used to achieve consensus on future watershed projects. Water quality will continue to be monitored by volunteers and documented through the Riverwatch program. At the conclusion of the Flatrock River Project, a maintenance plan will be formulated. This plan will include the suggestion of having a representative appointed by the steering committee or their board of supervisors to assess river conditions once each calendar year. If maintenance work is required, this representative will contact the board of supervisors to determine a course of action.

Plan to Implement the Plan

The watershed approach to resource management allows locally-led committees to consider resource conditions and trends of resources, prioritize issues, and develop solutions to address those issues. A local steering committee will determine an action plan that will address maintenance issues. The steering committee will encourage local landowners to accept responsibility for their portion of the watershed through continuing education efforts. State agencies will provide a needed informational resource. Information on watershed projects planned or in progress in other portions of the watershed can be provided locally by state agencies. The steering committee will continue to cooperate with conservation agencies to encourage the adoption and establishment of additional conservation practices and structures such as filter strips, buffer strips, riparian areas, grassed waterways, WASCOBs, and conservation tillage.

Monitor

The board of supervisors or its appointed representative will oversee the maintenance program established by the steering committee. The steering committee will suggest the representative submit a written report annually to involved agencies. The formal steering committee will have authority to address issues identified in the annual report and to decide appropriate action. Possible courses of action will be meeting with representatives of local government agencies and officials and state agencies with no action or corrective action taken.